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L2 L1

5 L2

L1 (electronic adj1 mail) same (body near5 content) same (data near5
 (transmit\$4 or send\$3))

5 L1

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DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L3</u> <u>L2</u>	0	<u>L3</u>
DB=USPT,USOC; PLUR=YES; OP=OR		
<u>L2</u> <u>L1</u>	5	<u>L2</u>
<u>L1</u> (electronic adj1 mail) same (body near5 content) same (data near5 (transmit\$4 or send\$3))	5	<u>L1</u>

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Term:	(electronic adj1 mail).ti. and (user or client).ti.
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Display:	<input type="text" value="10"/>	Documents in Display Format:	<input type="text" value="-"/>	Starting with Number	<input type="text" value="1"/>
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<u>L2</u>	(electronic adj1 mail).ti. and (user or client).ti.	12	<u>L2</u>
<u>L1</u>	(electronic adj1 mail).ti.	299	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
((electronic adj1 mail) same (client or user)).ab.	277

Database:

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L1 ((electronic adj1 mail) same (client or user)).ab. 277 L1

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Refine Search

Search Results -

Terms	Documents
(electronic adj1 mail).ti. and (user or client).ti.	887

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side by side

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result set

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L3 (electronic adj1 mail).ti. and (user or client).ti.

887 L3

DB=USPT,USOC; PLUR=YES; OP=OR

L2 (electronic adj1 mail).ti. and (user or client).ti.

12 L2

L1 (electronic adj1 mail).ti.

299 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1	0

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Search:

L2

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Clear

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Search History

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Set Name Query

side by side

Hit Count Set Name

result set

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L2 L10 L2

DB=USPT,USOC; PLUR=YES; OP=OR

L1 ((electronic adj1 mail) same (client or user)).ab.277 L1

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EAST - [Untitled1:1]

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Drafts

Pending

Active

L1: (29) (electronic adj1 mail)

Failed

Saved

Favorites

Tagged (0)

UDC

Queue

Trash

Search

List

Browse

Queue

Clear

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IS&R...

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Err
1	BRS	L1	29	(electronic adj1 mail) same (body near5 content)	USPAT	2004/08/19 15:20			0

Start

Client Manager

EAST - [Untitled1:1]

EAST - [Untitled1:1]

File View Edit Tools Window Help

☐ Drafts
☐ Pending
☒ Active
 L1: (29) (electronic adj1 mail)
☐ Failed
☐ Saved
☐ Favorites
☐ Tagged (0)
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☐ Queue
☐ Trash

Search:
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(electronic adj1 mail) same (body near5 content)

	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6748534 B1	20040608	12	System and method for partitioned distributed	713/188	713/200; 713/201
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6732273 B1	20040504	11	Priority and security coding system for electronic mail	713/193	
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6684239 B1	20040127	9	System and method for automatically publishing	709/206	709/246
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6658454 B1	20031202	23	Electronic mail system with improved methodology for	709/202	709/206
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6651087 B1	20031118	15	Method and system for publishing an electronic	709/206	709/205; 709/217;
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6560638 B1	20030506	31	Method of composing electronic mail in which	709/206	709/246
7	<input type="checkbox"/>	<input type="checkbox"/>	US 6510453 B1	20030121	19	System and method for creating and inserting	709/206	
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6466968 B2	20021015	31	Information processing system capable of file	709/206	709/245
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6463467 B1	20021008	18	Method and apparatus of secure server control of	709/218	380/279; 713/200;
10	<input type="checkbox"/>	<input type="checkbox"/>	US 6453338 B1	20020917	41	Electronic mail apparatus and computer readable record	709/206	379/93.24; 709/246;
11	<input type="checkbox"/>	<input type="checkbox"/>	US 6449055 B1	20020910	60	Printing system	358/1.15	358/1.18; 358/402;

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Pages:104 - 107[\[Abstract\]](#)[\[PDF Full-Text \(368 KB\)\]](#)**IEEE CNF** **Print Format**[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

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TC-PUBS: a new tool for reflecting on research in technical communication

Durack, K.T.

Dept. of English, Miami Univ., Oxford, UK

This paper appears in: Professional Communication Conference, 2002. I Proceedings. IEEE International

Publication Date: 17-20 Sept. 2002

On page(s): 104 - 107

ISSN:

Number of Pages: 561

Inspec Accession Number: 7516708

Abstract:

A growing **body** of research on technical and scientific communication promises to address workplace communication problems and improve practices. Yet working professionals seldom have the resources to subscribe to all potentially helpful journals or to scan the **contents** of those journals for relevant articles. To improve access to research, the Miami University student chapter of the Society for Technical Communication (MU-STC) launched in January 2002 a pilot project for an email list to distribute information about current research in the profession. This list began with the cooperation of the editors of three key journals: IEEE Transactions on Professional Communication, the Journal of Technical Writing and Communication, and Technical Communication. Within the first two months, over 160 individuals from the US and Europe had subscribed to the list. The paper describes the purpose and scope of the resource and provides information on how to subscribe to TC-PUBS.

Index Terms:

[electronic mail](#) [professional communication](#) [research and development management](#) [initiatives](#) [IEEE Transactions on Professional Communication](#) [Journal of Technical Writing and Communication](#) [Technical Communication](#) [MU-STC](#) [Miami University student chapter](#) [Society for Technical Communication](#) [TC-PUBS](#) [current research](#) [electronic mailing list](#) [journal editors](#) [research resources](#) [scientific communication](#) [technical communication](#) [technical communication research](#) [working professionals](#) [workplace communication](#) [professional communication](#)

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File: USPT

Apr 6, 1999

DOCUMENT-IDENTIFIER: US 5892825 A

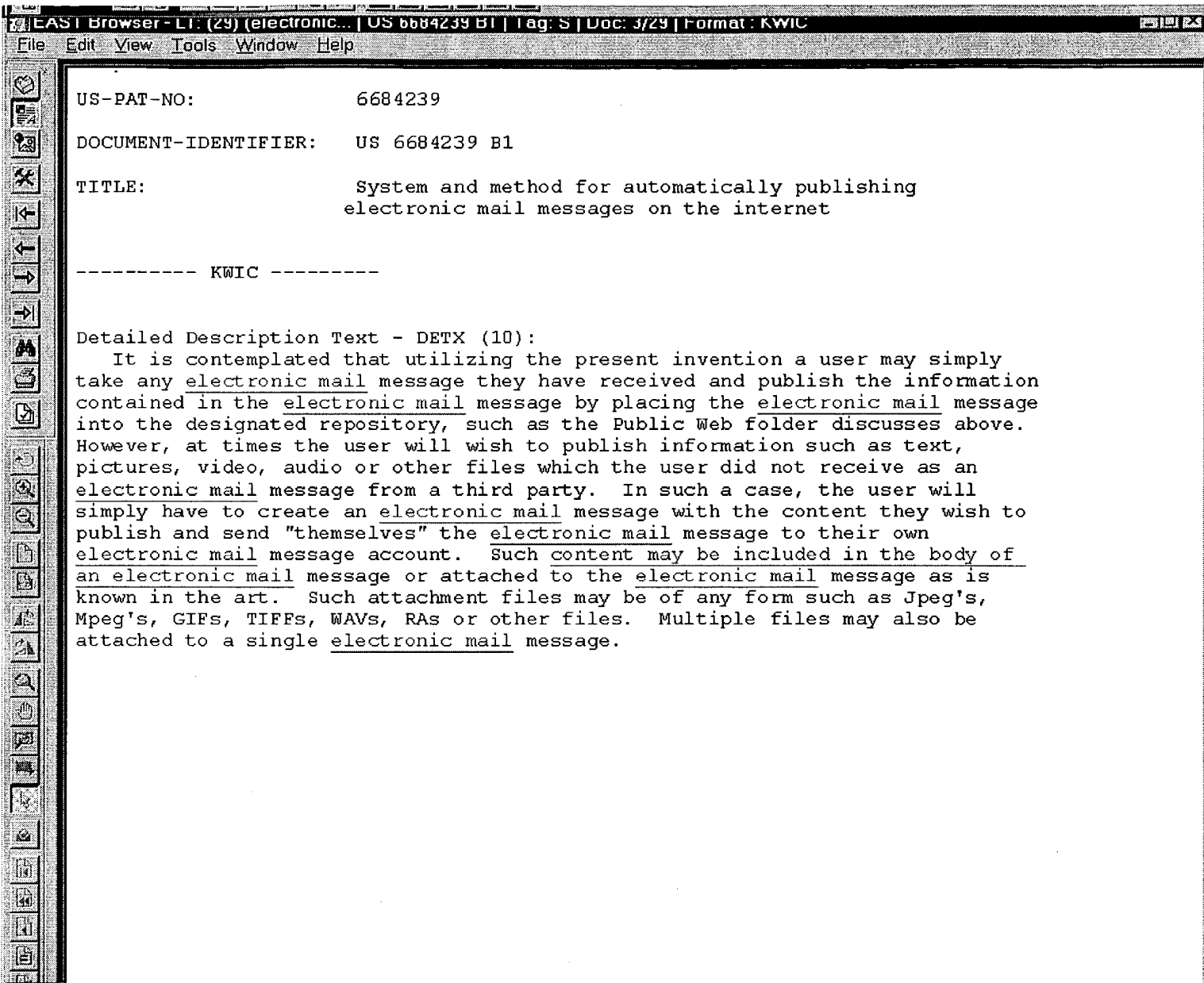
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TITLE: Method of secure server control of local media via a trigger through a network for instant local access of encrypted data on local media

Brief Summary Text (9):

In the E-mail system, there has really been only one format standard for Internet messages. A variation has been the MIME version, which stands for Multipurpose Internet Mail Extensions, which defines a new header-field, which is intended for use to send non-text messages, such as multimedia messages that might include audio or images, by encoding the binary into seven-digit ASCII code. Before MIME, the limitation of E-mail systems was the fact that it would limit the contents of electronic mail messages to relatively short lines of seven-bit ASCII. This has forced users to convert any non-textual data that they may wish to send into seven-bit bytes representable as printable ASCII characters before invoking a local mail UA (User Agent, a program with which human users send and receive mail). Examples of such encodings currently used in the Internet include pure hexadecimal, uuencoded, the 3-in-4 base 64 scheme specified in RFC 1421, the Andrew Toolkit Representation [ATK], and many others. Even though a user's UA may not have the capability of dealing with the non-textual body part, the user might have some mechanism external to the UA that can extract useful information from the body part. Moreover, it does not allow for the fact that the message may eventually be gatewayed back into an X.400 message handling system (i.e., the X.400 message is "tunneled" through Internet mail), where the non-textual information would definitely become useful again. With MIME, video and/or audio data may be sent using the E-mail system. MIME uses a number of header-fields, such as "Content-Type" header field, which can be used to specify the type and subtype of data in the body of a message and to fully specify the native representation (encoding) of such data; "text" Content-Type value header field, which can be used to represent textual information in a number of character sets and formatted text description languages in a standardized manner; "multi-part" Content-Type value, which can be used to combine several body parts, possibly of differing types of data, into a single message; "application" Content-Type value, which can be used to transmit application data or binary data, and hence, among other users, to implement an electronic mail file transfer service; "message" Content-Type value, for encapsulating another mail message; "image" Content-Type value, for transmitting still image (picture) data; "audio" Content-Type value, for transmitting audio or voice data; "video" Content-Type value, for transmitting video or moving image data, possibly with audio as part of the composite video data format; "Content-Transfer-Encoding" header field, which can be used to specify an auxiliary encoding that was applied to the data in order to allow it to pass through mail transport mechanisms which may have data or character set limitations. Two additional header fields may be used to further describe the data in a message body: The "Content-ID" and "Content Description" header fields.

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US006684239B1

(12) **United States Patent**
Flepp et al.

(10) Patent No.: **US 6,684,239 B1**
(45) Date of Patent: **Jan. 27, 2004**

(54) **SYSTEM AND METHOD FOR
AUTOMATICALLY PUBLISHING
ELECTRONIC MAIL MESSAGES ON THE
INTERNET**

(75) Inventors: **Beat Flepp**, Tinton Falls, NJ (US);
Lawrence David Jackel, Holmdel, NJ
(US); **Urs A Muller**, Keyport, NJ (US)

(73) Assignee: **AT&T Corp.**, New York, NY (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/872,031**

(22) Filed: **May 16, 2000**

(51) Int. Cl.⁷ **G06F 15/16**

(52) U.S. Cl. **709/206; 709/246**

(58) Field of Search **709/206, 203,
709/246; 715/500.1, 500**

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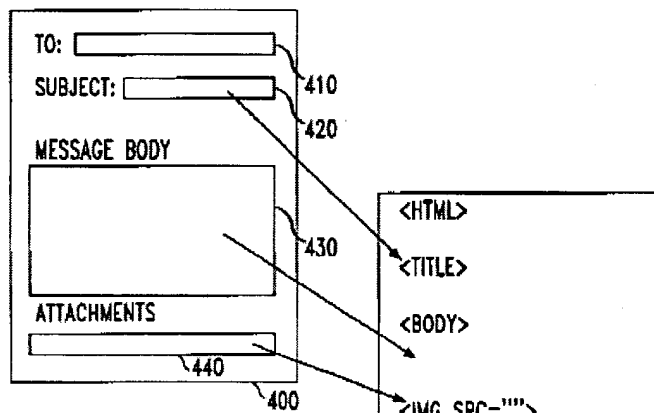
* cited by examiner

Primary Examiner—Mehmet B. Geckli

(57) **ABSTRACT**

The invention provides a system and method for publishing electronic mail messages on the Internet. A user selects an electronic mail message to be published and moves the selected electronic message to a designated folder. The electronic mail message is then processed to convert the electronic mail message into a format suitable for Internet publication. Once converted electronic mail message content is published on the Internet and accessible from any suitable browser software.

6 Claims, 5 Drawing Sheets



US-PAT-NO: 6651087

Text view DOCUMENT-IDENTIFIER: US 6651087 B1

TITLE: Method and system for publishing an electronic file
attached to an electronic mail message

----- KWIC -----

Detailed Description Text - DETX (2):

The present invention provides a convenient and effective mechanism for communicating information with the assistance of an electronic mail system without sending this information as an attachment to an electronic mail message. A user of an electronic mail program can attach an electronic file containing a set of instructions, such as a computer routine or script, to an electronic mail message prior to transmitting that message to designated recipients. In response to receiving this electronic mail message, a recipient can open and view the message within his or her electronic mail program. Although this message typically contains a message body presenting text-based content, the message also includes an indicator indicating the presence of an electronic file attached to the message. In response to the recipient taking an action to access this attached file, the set of instructions contained in this file are executed by the recipient's computer. The execution of these instructions results in the launch of a browser program for viewing content at a web site identified by the attached file and connected to a distributed computer network, such as an intranet or the global Internet.



US006651087B1

(12) **United States Patent**
Dennis

(10) Patent No.: **US 6,651,087 B1**
(45) Date of Patent: **Nov. 18, 2003**

(54) **METHOD AND SYSTEM FOR PUBLISHING AN ELECTRONIC FILE ATTACHED TO AN ELECTRONIC MAIL MESSAGE**

(75) Inventor: Gary J. Dennis, Duluth, GA (US)

(73) Assignee: BellSouth Intellectual Property Corporation, Wilmington, DE (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/238,445

(22) Filed: Jan. 28, 1999

(51) Int. Cl.⁷ G06F 15/16

(52) U.S. Cl. 709/206; 709/205; 709/217; 709/219

(58) Field of Search 709/203, 217, 709/219, 225, 229, 235, 207, 206, 209, 205

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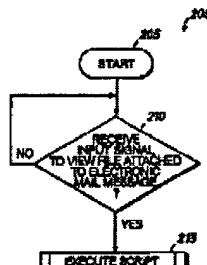
International Search Report, PCT/US 00/02398.

Primary Examiner—Saleh Najjar
(74) Attorney, Agent, or Firm—Cantor Colburn LLP

ABSTRACT

Publishing content associated with an electronic file attached to an electronic mail message by executing instructions contained in the electronic mail attachment and accessing the content at a remote computer server identified by the attached file. The attached file includes computer-executable instructions, such as a computer program or script, which include an identifier for a remote server connected to a distributed computer network. This identified remote server typically hosts a web site containing content intended for viewing by the recipient of the electronic mail message. In response to launching the attached file of the electronic mail message with a viewer program, a browser program can be opened to enable the recipient to view the content of the identified remote server, typically a web site on an intranet or the global Internet. This supports the communication of electronic content by using an electronic mail message to transport an electronic file attachment having instructions that, when executed by the recipient's computer, enable the recipient to view the electronic content by accessing a server computer connected to distributed computer network.

6 Claims, 7 Drawing Sheets



US-PAT-NO: 6327610

DOCUMENT-IDENTIFIER: US 6327610 B1

TITLE: System for broadcasting electronic mails that separately stores and sends a portion of electronic mails with an access code for filtering and retrieving purpose

----- KWIC -----

Brief Summary Text - BSTX (11):

In the foregoing processing, designating a plurality of receivers as transmission destination data leads to realization of broadcast communication by means of electronic mail. Depending on the contents of a transmission command, a main body of electronic mail in question may be held in a mail box assigned to a receiver in the storage unit 640 in accordance with instructions from the command processing unit 650 and the control unit 660 and be transmitted in response to access made by the receiver in question by means of electronic mail.

Detailed Description Text - DETX (10):

Title of electronic mail contained in mail data may include only a header of a main body of the electronic mail or also include an excerpt of the contents of the electronic mail main body. Although in the above-described operation example, a title and an access code are assumed to be produced at the sending station 240, they may be produced at the mail server 100 under control of the control unit 160.



US006327610B2

(12) **United States Patent**
Uchida et al.

(10) Patent No.: **US 6,327,610 B2**
(45) Date of Patent: ***Dec. 4, 2001**

(54) **SYSTEM FOR BROADCASTING ELECTRONIC MAILS THAT SEPARATELY STORES AND SENDS A PORTION OF ELECTRONIC MAILS WITH AN ACCESS CODE FOR FILTERING AND RETRIEVING PURPOSE**

(75) Inventors: Wataru Uchida; Tsutomu Nozaki,
both of Tokyo (JP)

(73) Assignee: NEC Corporation, Tokyo (JP)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/103,539

(22) Filed: Jun. 24, 1998

(30) Foreign Application Priority Data

Jun. 27, 1997 (JP) 9-171941

(51) Int. Cl.⁷ G06F 15/16

(52) U.S. Cl. 709/206; 709/217

(58) Field of Search 709/206, 207, 709/219, 238, 245, 249, 204, 217; 707/2; 713/201; 379/93.01

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(List continued on next page.)

Primary Examiner—Le Hien Luu

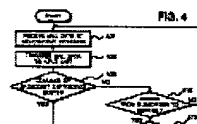
Assistant Examiner—Bunjib Jaroensuchwanit

(74) Attorney, Agent, or Firm—McQuireWoods LLP

(57) **ABSTRACT**

A broadcast communication system in which a terminal unit for sending electronic mail transmits electronic mail data containing text of electronic mail, transmission destination data, a first command indicative of a transmission condition and a second command indicating that broadcast distribution is to be conducted, a mail server, upon reception of electronic mail data containing a second command, transmits a title and an access code of electronic mail text to all of terminal units of transmission destinations indicated by transmission destination data and upon reception of electronic mail data not containing a second command, sends back electronic mail text corresponding to the access code, and a terminal unit for receiving electronic mail, at the time of reception of distribution of electronic mail text, transmits electronic mail data containing an access code to the mail server.

12 Claims, 7 Drawing Sheets



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Gray, Terry, "Message Access Paradigms and Protocols," article found on the World Wide Web at <http://www.imap.org/imap.vs.pop.html>, Aug. 28, 1995, pp. 1-10.
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Myers et al., "Post Office Protocol--Version 3," Carnegie Mellon, Dover Beach Consulting, Inc., Nov. 1994, pp. 1-8.

ART-UNIT: 278

PRIMARY-EXAMINER: Maung; Zarni

ASSISTANT-EXAMINER: Gebremeskel; Yeshi

ATTY-AGENT-FIRM: Jones & Askew, LLP

ABSTRACT:

Managing electronic mail messages in a client-server environment. A database, stored at the client, maintains a central archive of message-related information in connection with messages located on the server to support current and future message communication operations between the client and the server. Message-related information is retrieved from the server. Based on the message-related information, a determination is made as to whether the message has been downloaded from the server to the local message store located at the client. In response to determining that the message has not been downloaded, the message is downloaded from the server to the local message store. Data fields in the client-based database are populated with the message-related information, and indications are provided in the client-based database that the message is present on the server and that the message has been downloaded. During subsequent client-server sessions, the database is then consulted for managing, the messages. The database also supports efficient management of messages having multiple message parts i.e., message re-assembly.

37 Claims, 24 Drawing figures

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L2: Entry 6 of 12

File: USPT

Dec 5, 2000

US-PAT-NO: 6157954

DOCUMENT-IDENTIFIER: US 6157954 A

TITLE: Communication control device including business card database with associated business card agents for controlling communicated electronic mail between user and card provider

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moon; Billy G.	Apex	NC		
Wooldridge; Tammy A.	Raleigh	NC		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Ericsson Inc.	Research Triangle Park	NC			02

APPL-NO: 08/ 939828 [\[PALM\]](#)

DATE FILED: September 29, 1997

INT-CL: [07] [G06 F 15/16](#)

US-CL-ISSUED: 709/228; 709/201, 709/206, 709/217, 709/218, 709/227, 709/232, 707/10, 379/219, 379/243, 379/258, 379/372

US-CL-CURRENT: [709/228](#); [379/219](#), [379/243](#), [379/258](#), [379/372](#), [707/10](#), [709/201](#), [709/206](#), [709/217](#), [709/218](#), [709/227](#), [709/232](#)

FIELD-OF-SEARCH: 709/201, 709/206, 709/218, 709/245, 709/303, 709/26, 709/217, 709/227, 709/228, 707/10, 345/334, 358/400, 379/219, 379/243, 379/258, 379/372

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	5303343	April 1994	Ohya et al.	709/246
<input type="checkbox"/>	5513126	April 1996	Harkins et al.	709/22
<input type="checkbox"/>	5732229	March 1998	Dickinson	345/334
<input type="checkbox"/>	5754306	May 1998	Taylor et al.	358/400
<input type="checkbox"/>	5826039	October 1998	Jones	709/206

<input type="checkbox"/>	<u>5862325</u>	January 1999	Reed et al.	709/201
<input type="checkbox"/>	<u>6088696</u>	July 2000	Moon et al.	707/10

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO94/17480	August 1994	WO	

OTHER PUBLICATIONS

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Suchun Wu: "MHS Security--A Concise Survey", Computer Networks and ISDN Systems, vol. 25, No. 4/05, Nov. 1, 1992.
"OS/2 Office: Delayed Delivery for Mail Items", IBM Technical Disclosure Bulletin, vol. 34, No. 9, Feb. 1, 1992, pp. 381-382.
Salamone, S.: "Delivering E-Mail For The Enterprise Five Apis Vie To Control The Link Between Applications and Transport Mechanisms", Data Communications, vol. 21, No. 18, Dec. 1, 1992, pp. 49-50.

ART-UNIT: 273

PRIMARY-EXAMINER: An; Meng-Ai T.

ASSISTANT-EXAMINER: El-Hady; Nabil

ATTY-AGENT-FIRM: Wood, Phillips, VanSanten, Clark & Mortimer

ABSTRACT:

A communication control software application is used in a user communication device having a processor and associated memory. The processor controls a display and a user input device. A communications terminal transmits and receives electronic mail. The communication control software application includes a phone application stored in the memory, the phone application including a business card database storing plural business cards. Each business card identifies characteristics of a particular card provider who electronic mail is to be sent to or received from. One or more of the business cards includes an associated business card agent defined by an agent software routine controlling how electronic mail is communicated between the user and the particular provider. A messaging application initiates communications to transmit or receive electronic mail. The phone application and the messaging application determining if a business card agent is associated with a business card of a provider to whom electronic mail is to be sent or is received from by the phone dialer application, and in response thereto implement the agent software routine to control how the electronic mail is communicated.

22 Claims, 12 Drawing figures

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L2: Entry 7 of 12

File: USPT

Oct 17, 2000

US-PAT-NO: 6134582

DOCUMENT-IDENTIFIER: US 6134582 A

TITLE: System and method for managing electronic mail messages using a client-based database

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kennedy; Kevin Alan	Redmond	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 09/ 084597 [\[PALM\]](#)

DATE FILED: May 26, 1998

INT-CL: [07] [G06](#) [F](#) [17/00](#)

US-CL-ISSUED: 709/206; 709/203, 709/219

US-CL-CURRENT: [709/206](#); [709/203](#), [709/219](#)

FIELD-OF-SEARCH: 709/206, 709/207, 709/219, 709/203, 379/93.01

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5632011	May 1997	Landfield et al.	709/206
<input type="checkbox"/> 5793972	August 1998	Shane	709/219
<input type="checkbox"/> 5826022	October 1998	Nielsen	709/206
<input type="checkbox"/> 5893087	April 1999	Wlaschin et al.	707/3
<input type="checkbox"/> 5928333	July 1999	Landfield et al.	709/245
<input type="checkbox"/> 5937162	August 1999	Funk et al.	709/206

OTHER PUBLICATIONS